MA

1991 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Satin Moth

(SPECIFIC NAME): Stilpnotia salicis

HOST (INCLUDING FOREST TYPE):
Poplar (aspen)
Northern Hardwoods

PRESENT CONDITION:

AREA (TOTAL ACRES): 500

LOCATION (INDICATE ON MAP):

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

Heavy in the poplar stands

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

TREND:

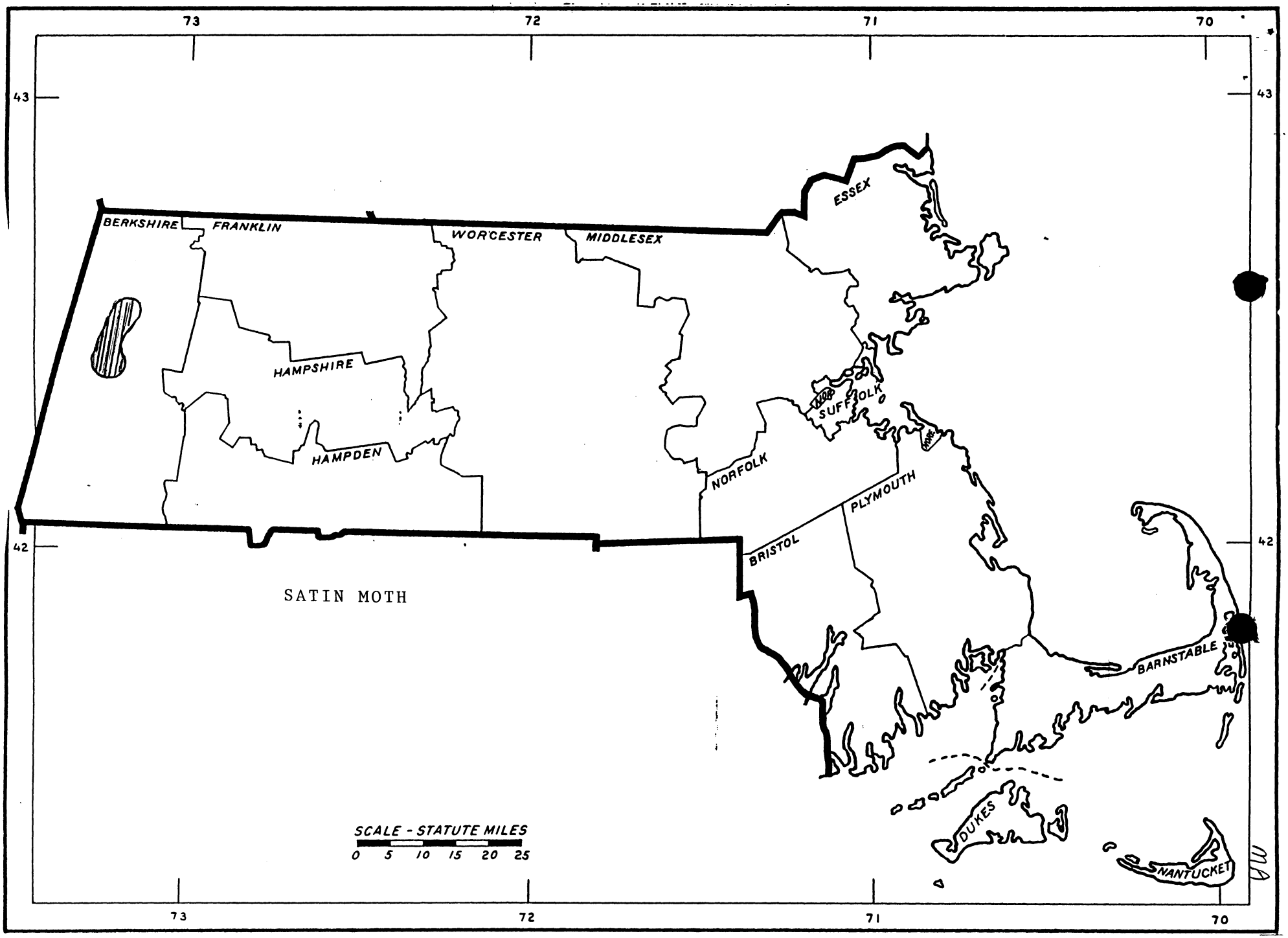
PAST TO PRESENT: Unknown, this is the first year that this insect ha been reported in more that 10 years, the population bears watching

FUTURE:

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

COMMENTS:

MASSACHUSETTS



AD - 400.19

MA

1991 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Hemlock wooly adelgid

(SPECIFIC NAME): Adelges tsugae

HOST (INCLUDING FOREST TYPE):
Hemlock
Nothern Hardwoods

PRESENT CONDITION:

AREA (TOTAL ACRES): 10

LOCATION (INDICATE ON MAP):

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):
See Comments

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

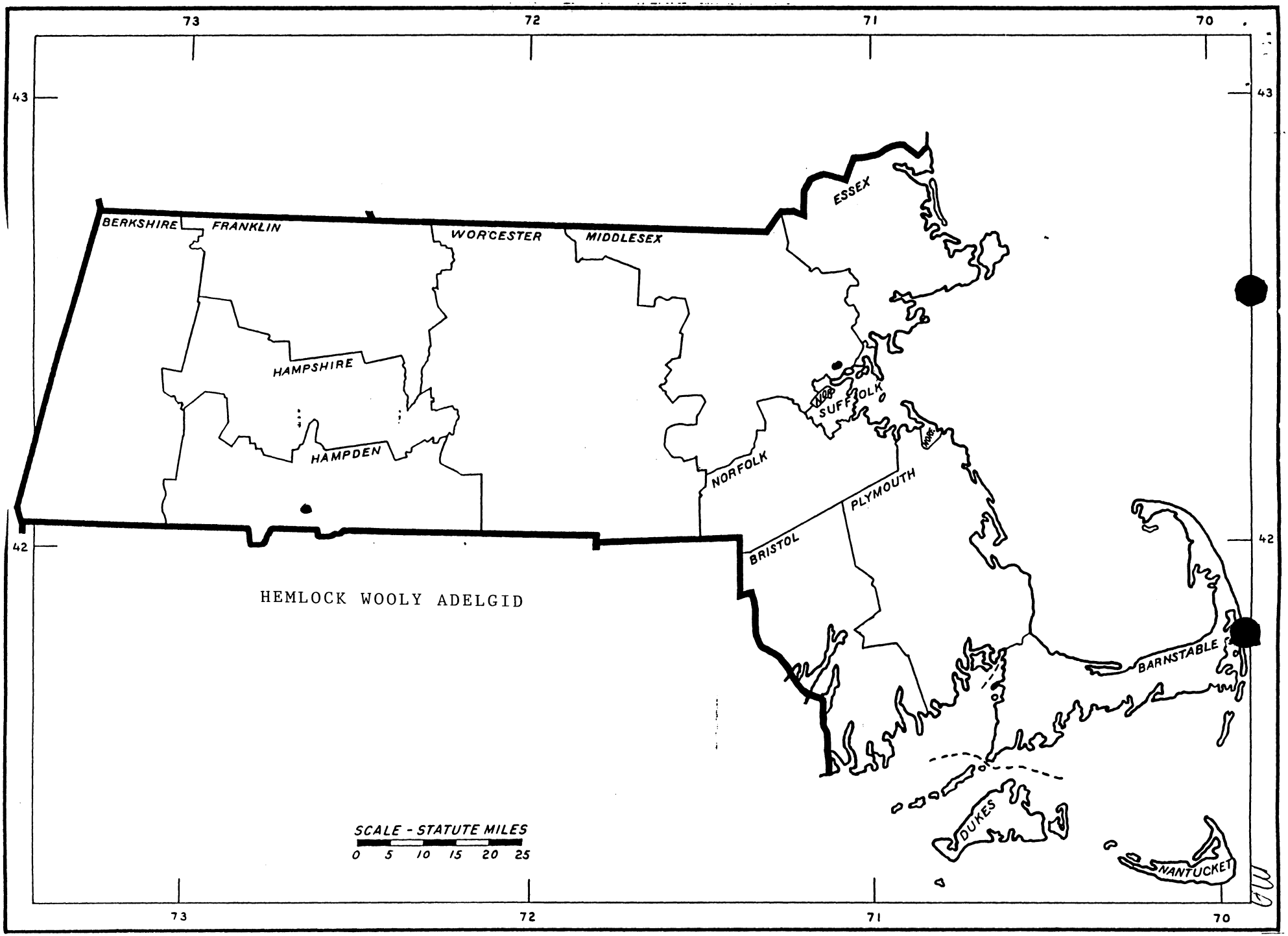
TREND:

PAST TO PRESENT: In the Springfield area the infestation appears to be spreading but is still contained in the same scetion of the city.
FUTURE:

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):
Some private homeowners have hired arborists to control this insect on their private trees, where the original infestation was found no contro
COMMENTS: has been done.

This insect is difficult to survey for. One side of a tree could be heavy while the opposite side will have little to no insects present. In eastern Mass this insect has been reported in a survey done by Coop-Extension and it is unknown if the reports have been confirmed.

MASSACHUSETTS



AD - 400.19

MA

1991 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Cherry Scallop shell moth

(SPECIFIC NAME): Calocalpe undulata

HOST (INCLUDING FOREST TYPE):
Black Cherry
Northern Hardwoods

PRESENT CONDITION:

AREA (TOTAL ACRES): 6283

LOCATION (INDICATE ON MAP):

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

Heavy within stands containing a high percentage of Cherry

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

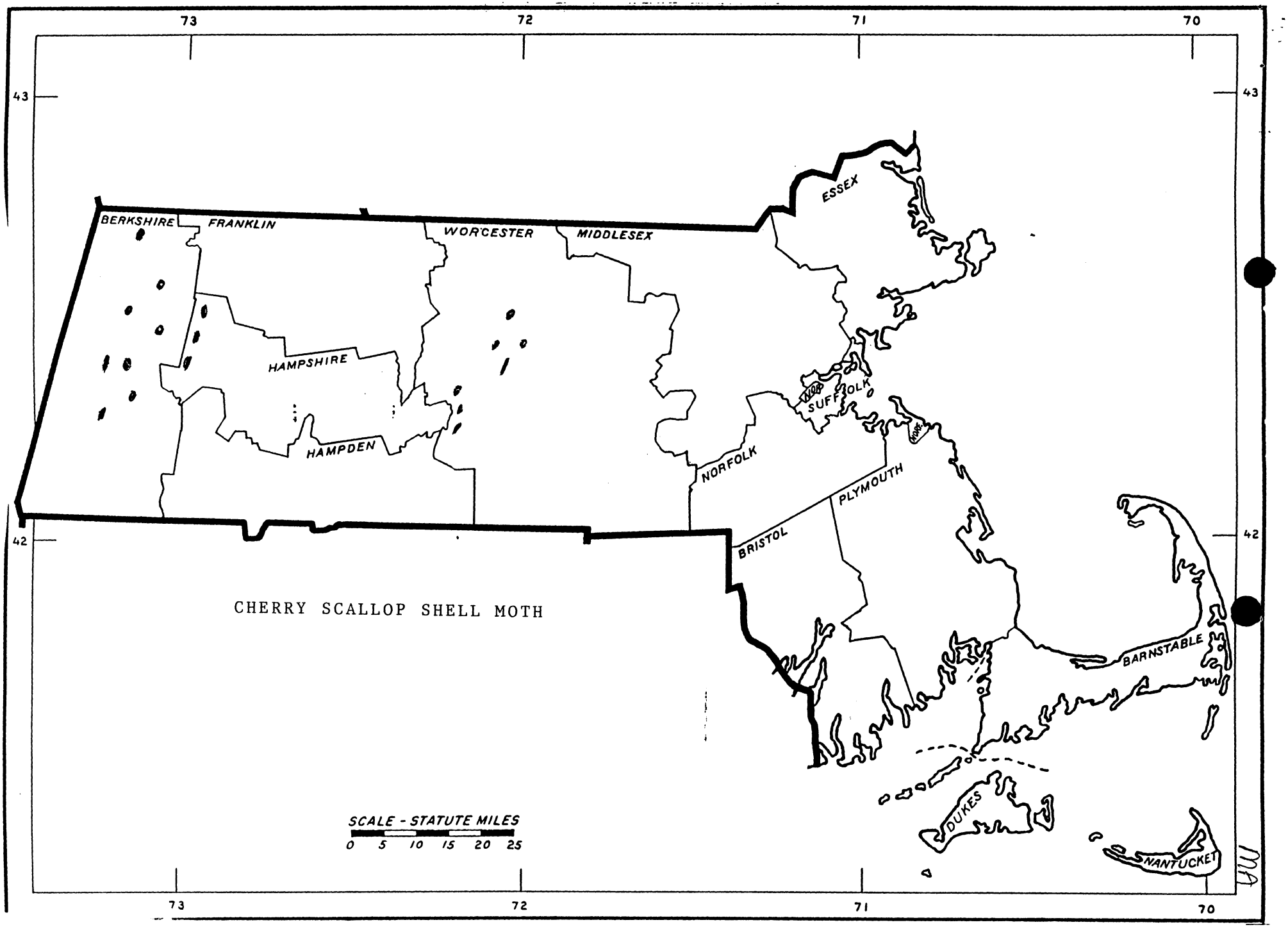
TREND:

PAST TO PRESENT: In Worcester county the population should be declining. In western Mass where this is the first year of noticable defoliation the population is ecpected to continue to
FUTURE: cause doticable damage for the next year or two.

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

COMMENTS:

MASSACHUSETTS



CHERRY SCALLOP SHELL MOTH

MA

1991 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Saddled Prominent

(SPECIFIC NAME): Heterocampa guttivitta

HOST (INCLUDING FOREST TYPE): Sugar maple, Beech, Northern Hardwoods

PRESENT CONDITION:

AREA (TOTAL ACRES): 2,000

LOCATION (INDICATE ON MAP):

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

Heavy

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

TREND:

PAST TO PRESENT: This insect has been building and declining for the past several years in Berkshire county. There is the presence of a disease in the population

FUTURE:

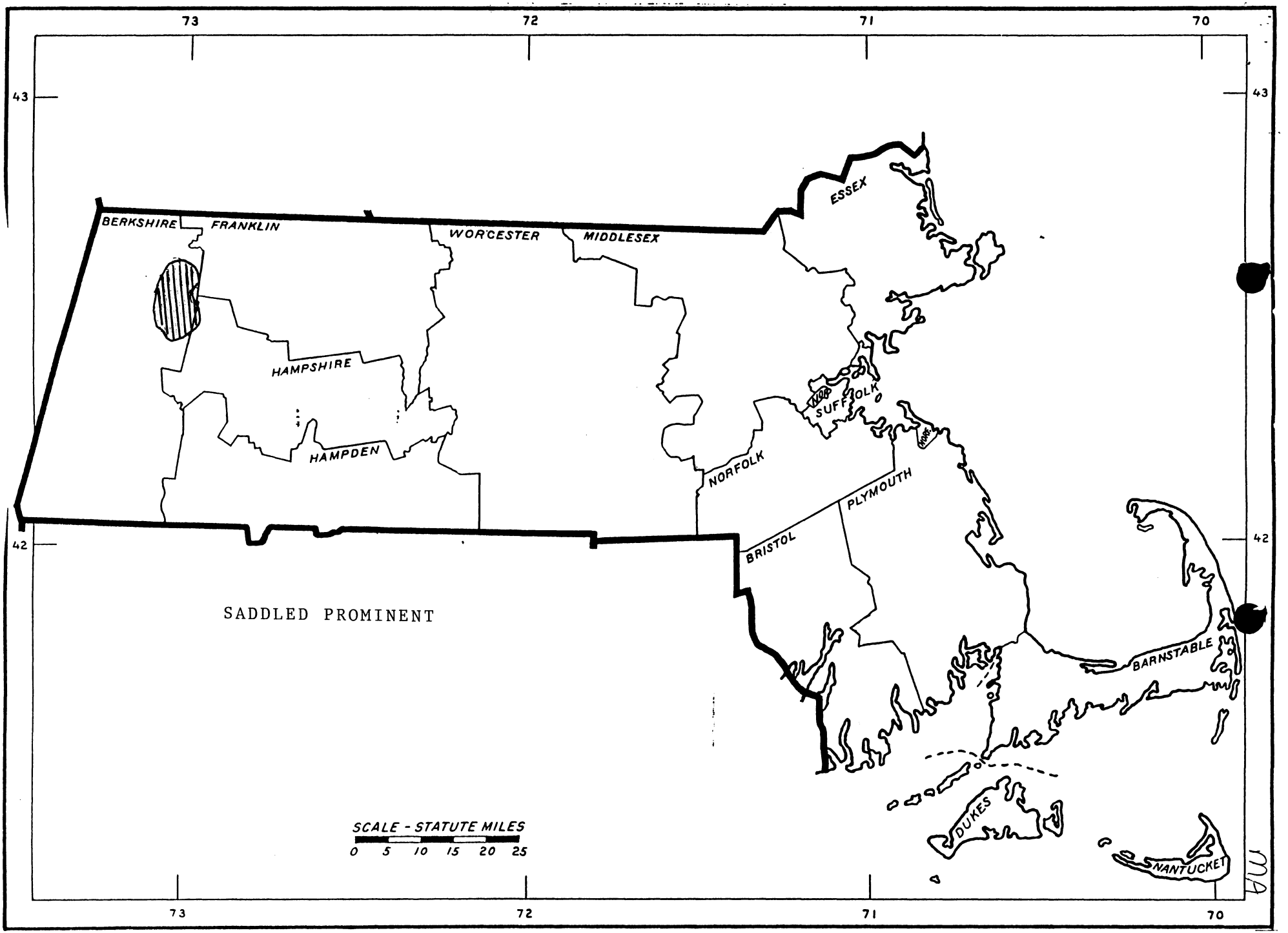
Unknown

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

None

COMMENTS:

MASSACHUSETTS



AD - 400.19

MA

1991 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Brown Tail Moth

(SPECIFIC NAME): Nygmia phaeorrhoea

HOST (INCLUDING FOREST TYPE): Beach Plum

PRESENT CONDITION:

AREA (TOTAL ACRES): 600

LOCATION (INDICATE ON MAP):

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):
Only light defoliation

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

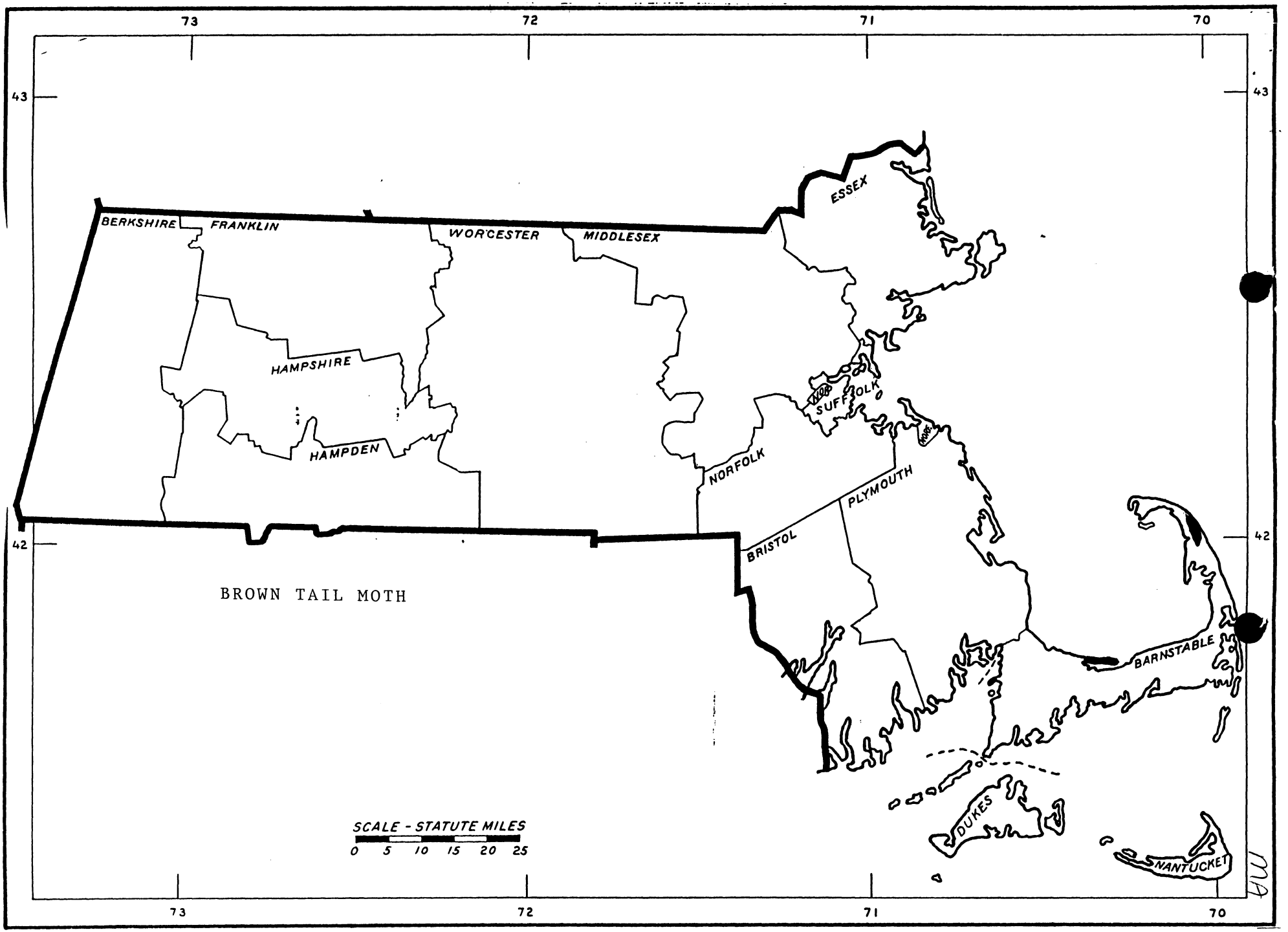
TREND:

PAST TO PRESENT:
Population appears to be stable with very light to light defoliation
FUTURE:

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):
National Seashore has a program of clipping the winter nests

COMMENTS:

MASSACHUSETTS



AD - 400.19

MA

1991 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Pine needle miner

(SPECIFIC NAME): Exoteleia pinifoliella

HOST (INCLUDING FOREST TYPE):
Pitch pine
Hard Pine

PRESENT CONDITION:

AREA (TOTAL ACRES): 4000

LOCATION (INDICATE ON MAP):

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):
Heavy defoliation in Plymouth County

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

TREND:

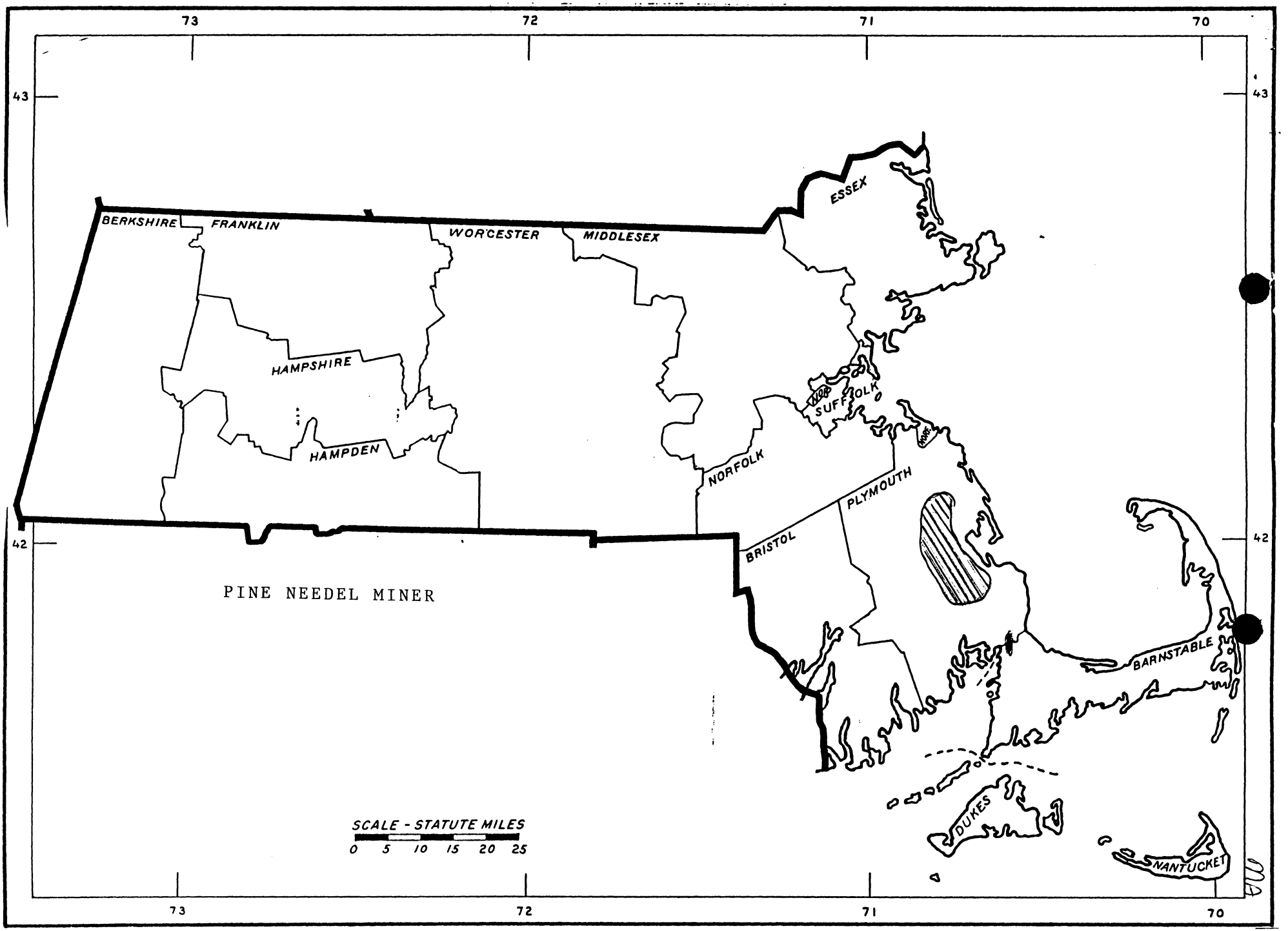
PAST TO PRESENT:
Population appears to be increasing

FUTURE:

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

COMMENTS:

MASSACHUSETTS



AD - 400.19

MA

1991 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Fall Cankerworm

(SPECIFIC NAME): Alsophila pometaria

HOST (INCLUDING FOREST TYPE):
Most hardwoods including ornamentals
Where it is found on Cape Cod it is mostly in the Hard Pine type

PRESENT CONDITION:

AREA (TOTAL ACRES): 1000

LOCATION (INDICATE ON MAP):

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):
Light Defoliation

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

TREND:

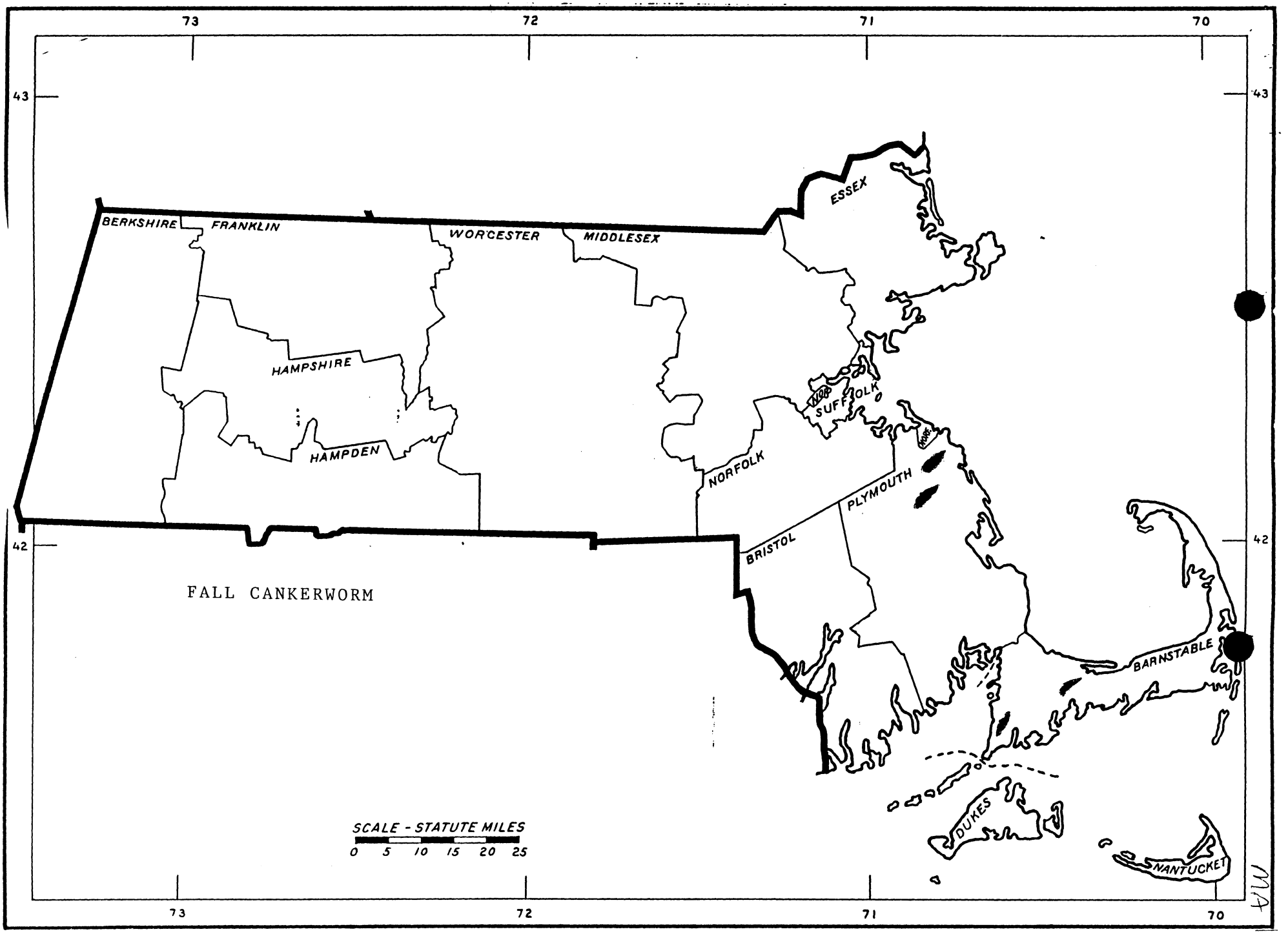
PAST TO PRESENT:
Appears to be increasing

FUTURE:

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

COMMENTS:

MASSACHUSETTS



AD - 400.19

MA

1991 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Eastern Tent Caterpillar

(SPECIFIC NAME): Malacosoma americana

HOST (INCLUDING FOREST TYPE):
Cherry, apple, crabapple
Northern Hardwoods

PRESENT CONDITION:

AREA (TOTAL ACRES): 900

LOCATION (INDICATE ON MAP):

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):
Heavy where favored hosts are found in Norfolk, Bristol, and Middlesex Counties

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

TREND:

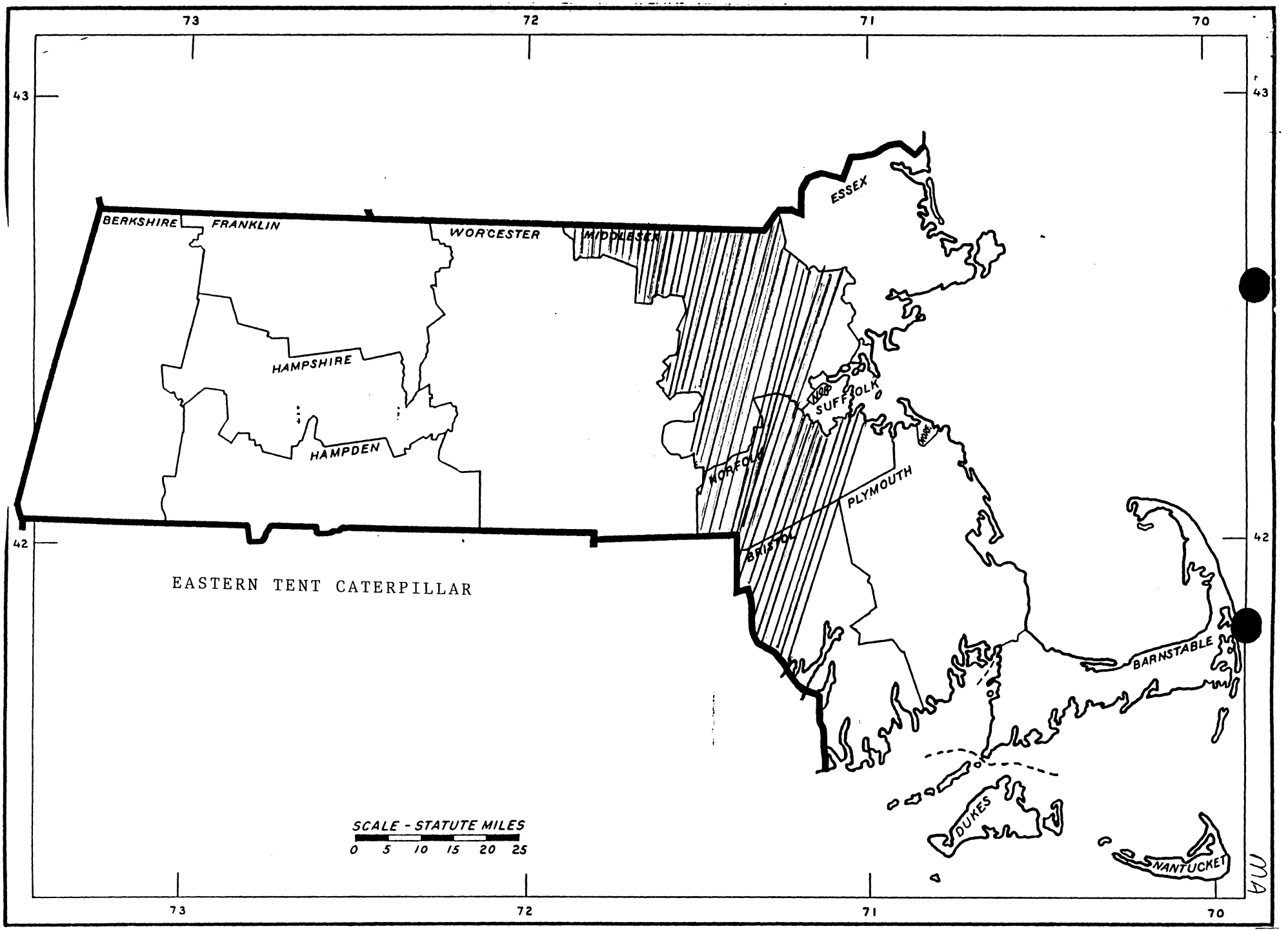
PAST TO PRESENT: Population has been increasing over the past several years and is expected to remain a problem for the next year or two.

FUTURE:

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

COMMENTS:

MASSACHUSETTS



AD - 400.19

MA

1991 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Fall Webworm

(SPECIFIC NAME): Hyphantria cunea

HOST (INCLUDING FOREST TYPE):

Black Cherry
Northern Hardwoods

PRESENT CONDITION:

AREA (TOTAL ACRES): 5,000

LOCATION (INDICATE ON MAP):

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

Heavy in areas with a high percentage of Black Cherry

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

TREND:

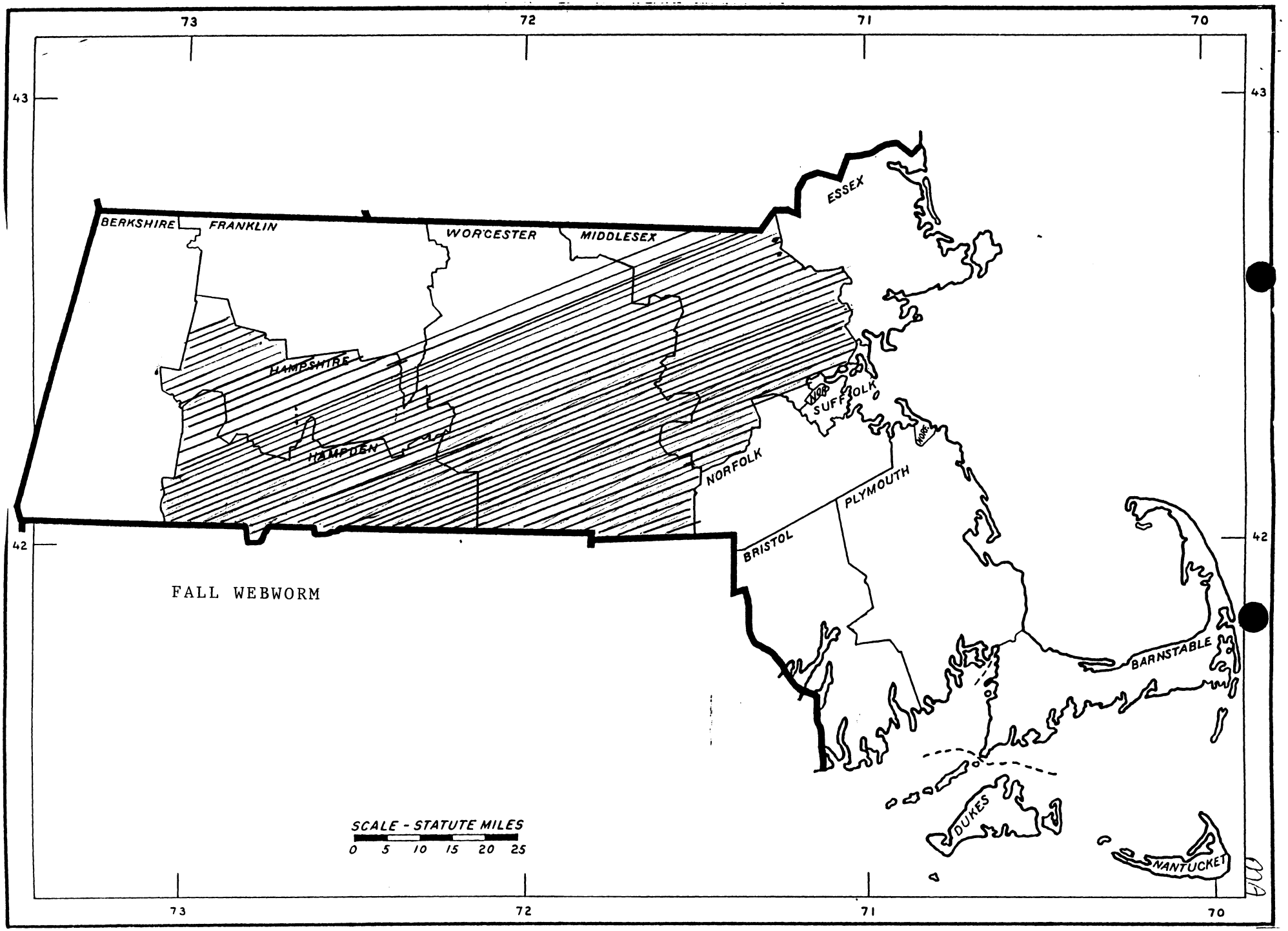
PAST TO PRESENT: Appears to have reached its peak

FUTURE: Expected to decline

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

COMMENTS:

MASSACHUSETTS



MA

1991 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Pitch Pine Looper

(SPECIFIC NAME): Lambdina athasaria pellucidaria

HOST (INCLUDING FOREST TYPE):
Pitch Pine
Hard Pine

PRESENT CONDITION:

AREA (TOTAL ACRES): 500

LOCATION (INDICATE ON MAP):

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

Moderate

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

TREND:

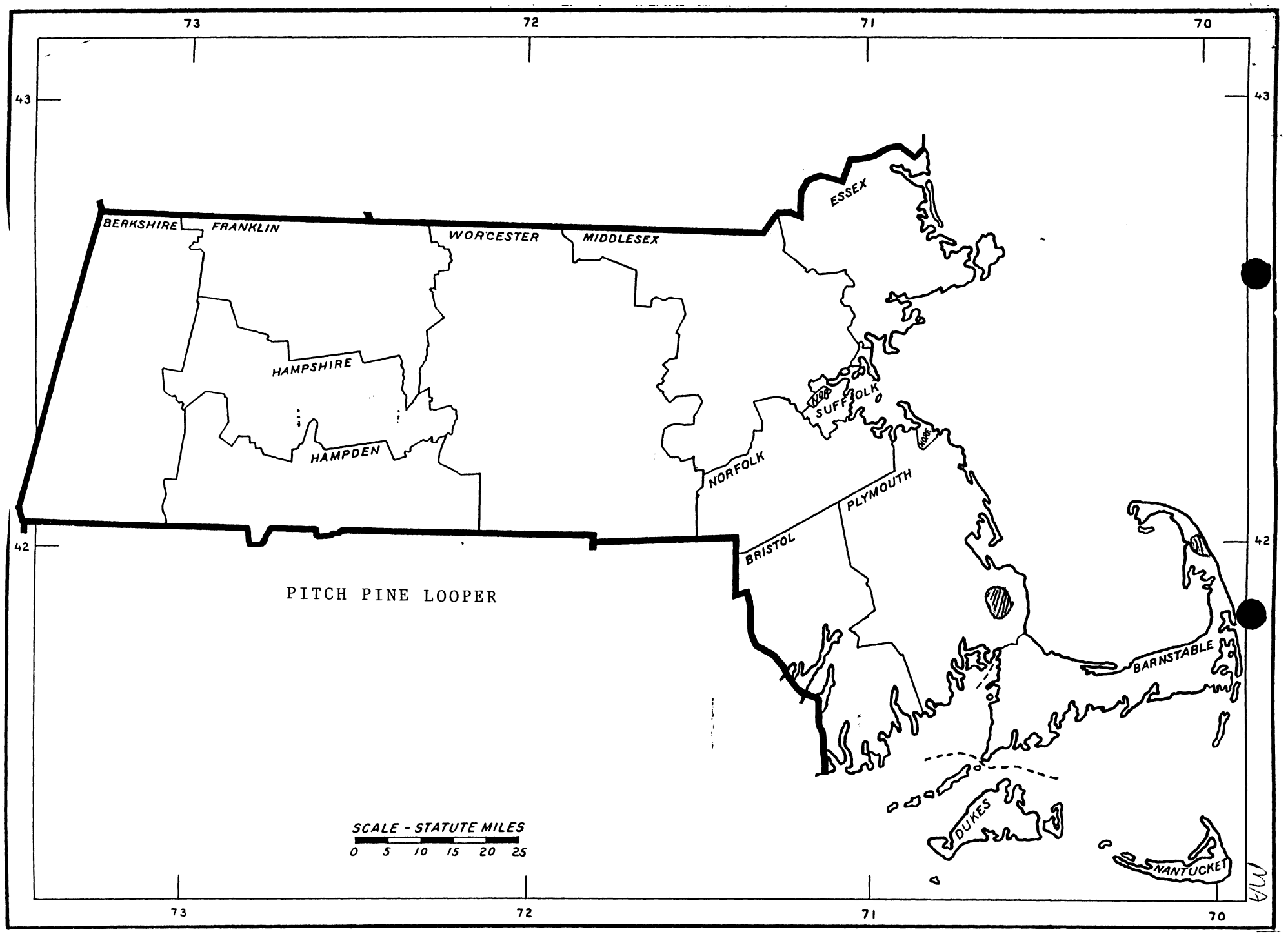
PAST TO PRESENT: First year of noticeable defoliation since mid 70's

FUTURE: Expected to increase

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

COMMENTS:

MASSACHUSETTS



AD - 400.19

MA

1991 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Nantucket Pine Tip Moth

(SPECIFIC NAME): Rhyacionia frustrana

HOST (INCLUDING FOREST TYPE):
Pitch Pine
Hard Pine

PRESENT CONDITION:

AREA (TOTAL ACRES): 10,000

LOCATION (INDICATE ON MAP):

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):
Heavy

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

TREND:

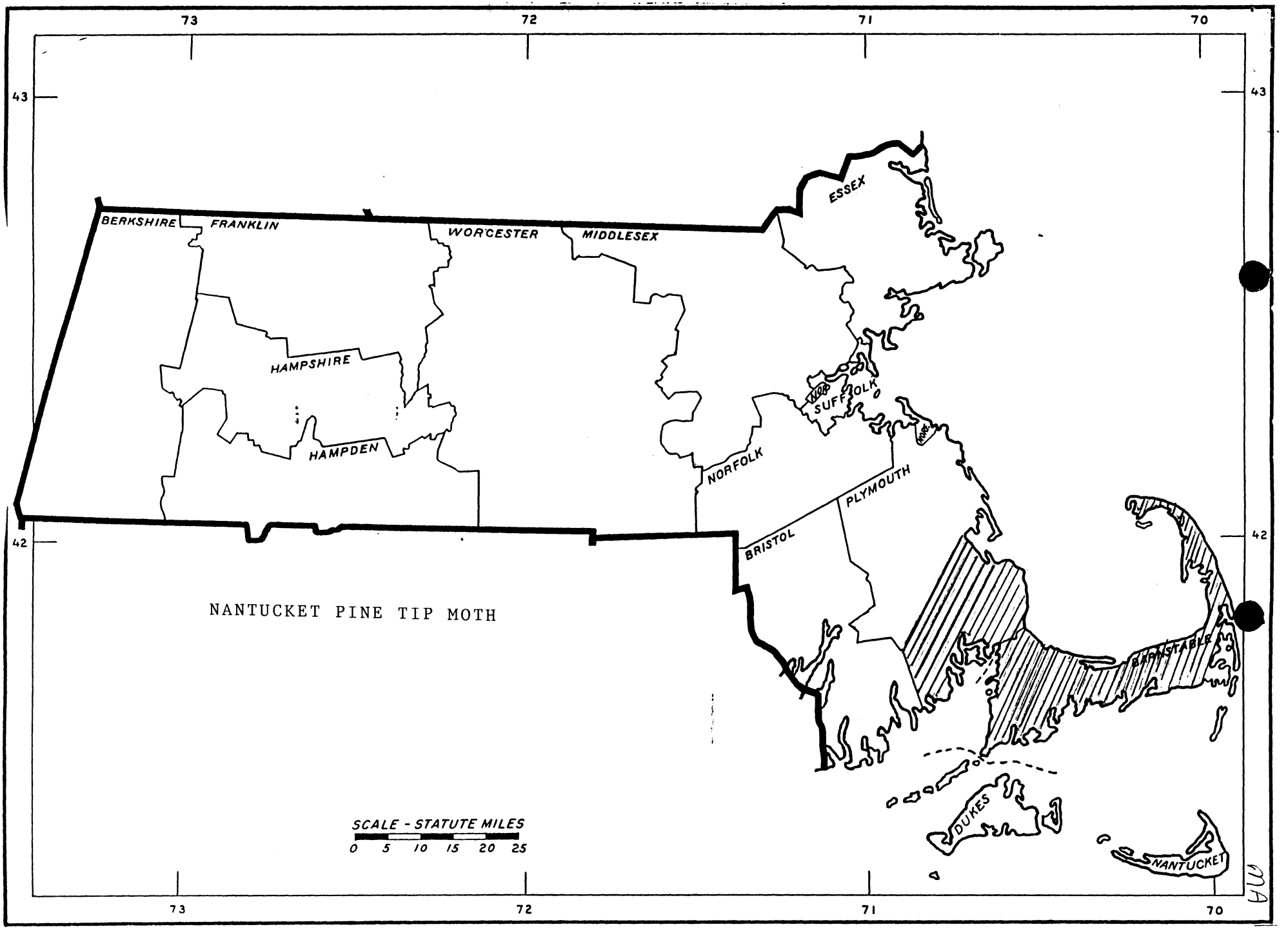
PAST TO PRESENT: Heavy defolication continues in the pitch pine areas of Cape Cod

FUTURE: Expected to remain heavy

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

COMMENTS:

MASSACHUSETTS



AD - 400.19

MA

1991 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Periodical Cicada

(SPECIFIC NAME): Magicicada suptendecim

HOST (INCLUDING FOREST TYPE):
Mostly on oak which are mixed in with the pitch pine
Hard Pine

PRESENT CONDITION:

AREA (TOTAL ACRES): 15,000

LOCATION (INDICATE ON MAP):

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

Heavy damage caused by the insect ovipositor

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

TREND:

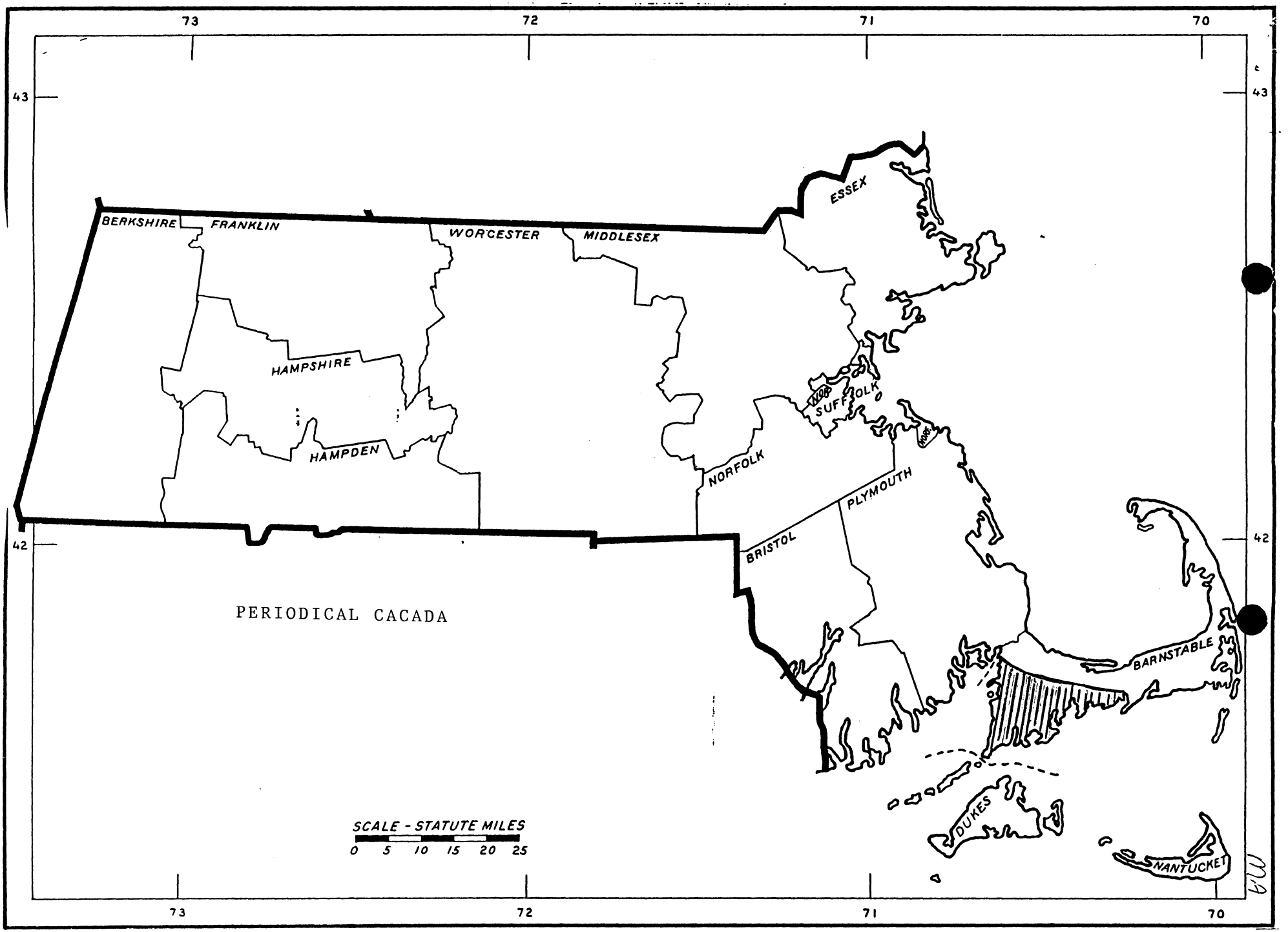
PAST TO PRESENT: As this insect appears in quanity only once every 17 years no problems are expected

FUTURE:

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

COMMENTS:

MASSACHUSETTS



AD - 400.19

MA

1991 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Gypsy Moth

(SPECIFIC NAME): Lymantria dispar

HOST (INCLUDING FOREST TYPE):
Most hardwoods
Oak/Hickory

PRESENT CONDITION:

AREA (TOTAL ACRES): 282,143

LOCATION (INDICATE ON MAP):

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):
Heavy

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

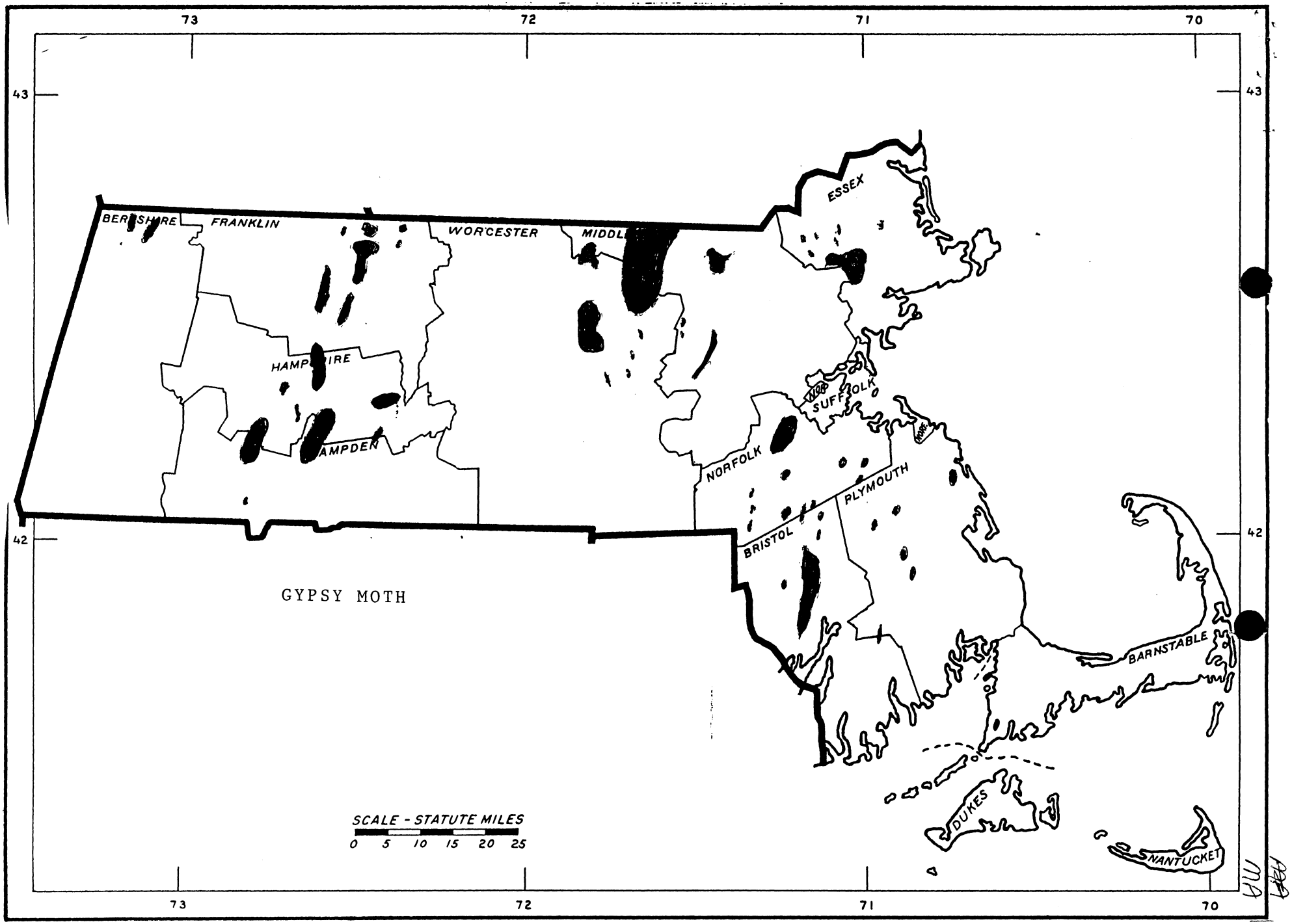
TREND:

PAST TO PRESENT: Population continues to build, it is expected the the populations in western Ma as well as northern Worcester County will start to decline while the rest of the state builds
FUTURE:

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

COMMENTS:

MASSACHUSETTS



AD - 400.19

MA

1991 PEST CONDITIONS REPORT WORKSHEET

PEST (COMMON NAME): Hemlock Looper

(SPECIFIC NAME): Lambdina athasaria athasaria

HOST (INCLUDING FOREST TYPE):
Hemlock
Northern Hardwoods

PRESENT CONDITION:

AREA (TOTAL ACRES): 750

LOCATION (INDICATE ON MAP):

SEVERITY (INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES):

Spotty moderate to heavy defoliation within the area indicated

LOSSES (INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES):

TREND:

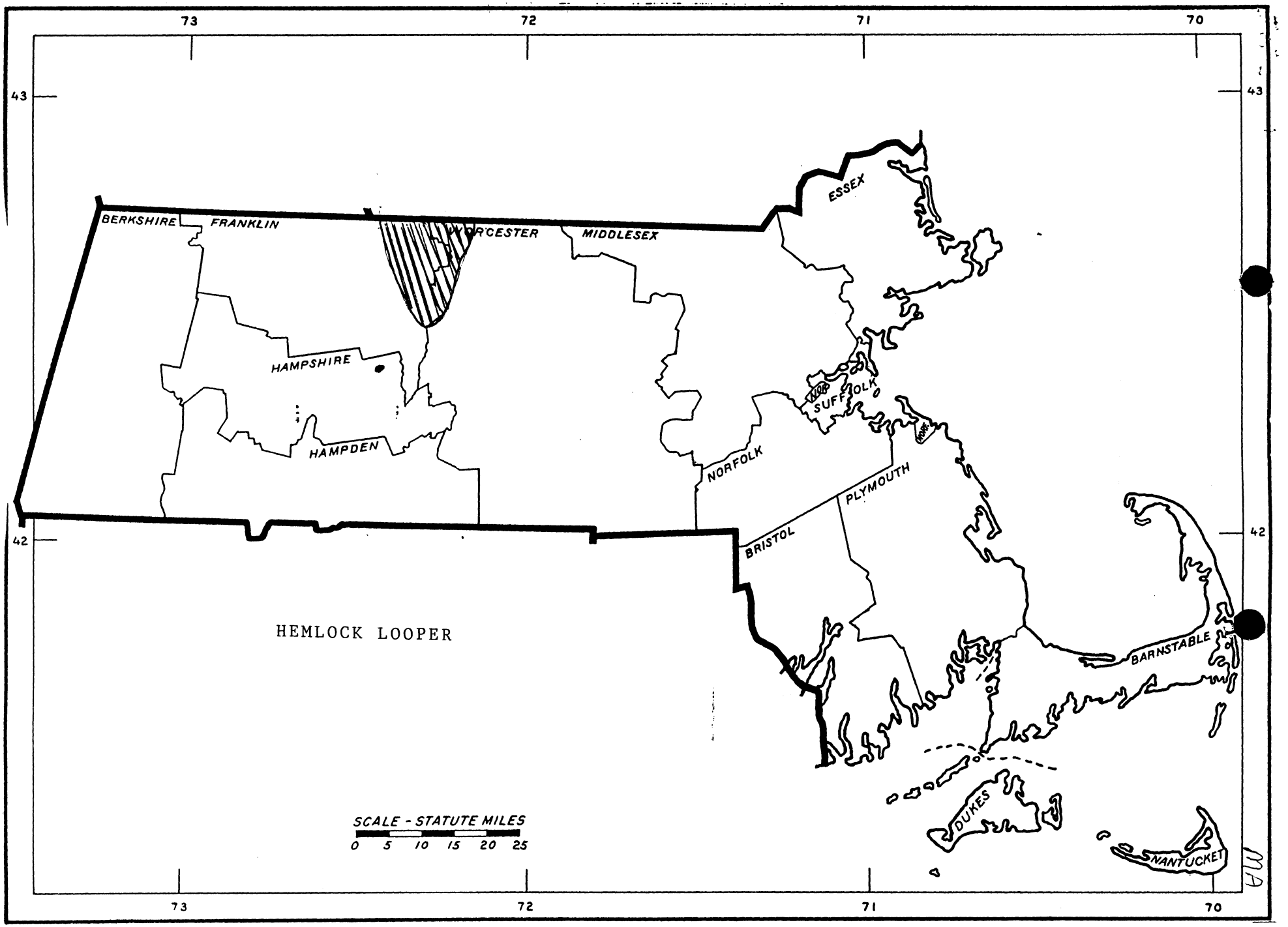
PAST TO PRESENT: Would expect to see defoliation continue for atleast one more year.

FUTURE:

CONTROL PROJECTS (METHOD, MATERIAL, ACRES, COST, RESULTS):

COMMENTS:

MASSACHUSETTS



AD - 400.19